GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

Policy Development & Planning
Department of Transportation
St. John's, Newfoundland

DEPARTMENT OF WORKS, SERVICES & TRANSPORTATION

RESEARCH REPORT NO. 41

RESULTS SEAT BELT SURVEY

SEPTEMBER 7, 1989

Mary Murphy
Policy and Planning
September, 1989

SUMMARY

This Annual Seat Belt Survey, Research Report No. 41 conducted on September 7, 1989, eleven months after the survey conducted by Transport Canada, showed a Provincial Average wearing rate of 71.2% down slightly from 72.4% in the October, 1988 Transport Canada survey. A total of 2879 vehicles were surveyed which was up 15.2% from the amount surveyed in August, 1988.

A new initiative taken by the Government of Newfoundland and Labrador, since the last survey, has been to erect signs depicting compulsory seat belt use at exits from its headquarters at Confederation Building.

Below is a list of the wearing percentages and the number of vehicles surveyed for each area:

Urban - Village Mall - Hotel Newfoundland - Avalon Mall - Janeway Hospital - Bay Roberts - Confederation Building Exit - Clarenville - Grand Falls - Labrador City	69.5%	2401
Highway - Manuels Highway - Roaches Line - Harbour Arterial	79.7%	478
St. John's	64.4%	571
Bay Roberts	77.7%	372
Clarenville	52.7%	395
Grand Falls	97.8%	363
Corner Brook	75.7%	350
Labrador City	52.6%	350

For all sites where the number of surveyed vehicles exceeded 400, the wearing percentages have no more than a 5% error with at least 95% confidence level.

SPECIFIC SURVEYS

1. Manuels Highway at Intersection of Route 60, E. Murray: The September 1989 survey, Table 4, indicates an increase in seat belt use to 76.9% from the August 1988 value of 69.6%.

2. Roaches Line Access to Trans Canada Highway, G. Jerrett: The September 1989 survey, Table 5, indicates an increase in seat belt use to 85.3% from the August 1988 value of 83.9%.

3. Harbour Arterial Ramp to Water Street, G. Lutz: The September 1989 survey, Table 6 indicates a decrease in seat belt use to 77.7% from the August 1988 value of 84.0%.

4. Village Mall, M. Murphy: The September 1989 survey, Table 7, indicates a decrease in seat belt use to 64.0% from the August 1988 value of 69.0%.

5. Hotel Newfoundland, D. Shea: The September 1989 survey, Table 8 indicates a notable decrease in seat belt use to 59.2% from the August 1988 value of 75.8%.

6. Avalon Mall, M. Murphy: The September 1989 survey, Table 9 indicates a slight increase in seat belt use to 64.3% from the August 1988 value of 63.0%.

7. Janeway Hospital, M. Murphy: The September 1989 survey, Table 10, indicates an increase in seat belt use to 71.1% from the August 1988 value of 65.0%.

8. Bay Roberts, G. Jerrett: The September 1989 survey, Table 11, indicates a decrease in seat belt use to 77.7% from the August 1988 value of 80.3%.

9. Confederation Building Entrance, M. Murphy: The September 1989 survey, Table 12, shows a decrease in seat belt use to 64.8% from the August 1988 value of 85.0%.

10. Clarenville, W. Wiseman: The September 1989 survey, Table 13, shows a decrease in seat belt use to 52.7% from the August 1988 value of 66.9%.

11. Grand Falls, D. Higdon: The September 1989 survey, Table 14, shows an increase in seat belt use to 97.8 from the August 1988 value of 82.5%.

12: Corner Brook, R. Murray: The September 1989 survey, Table 15, indicates a decrease in seat belt use to 75.7% from the August 1988 value of 91.2%.

13. Labrador City, M. Elvin: The September 1989 survey, Table 16, shows a decrease in seat belt use to 52.6% from the August 1988 value of 63.5%.

STATISTICAL TABLES

September 7, 1989

Table 1
September 7, 1989

SEAT BELT SURVEY

AREA: **Provincial**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	104	131	235
25-44	725	600	1325
45-64	287	114	401
65+	75	14	89
TOTAL	1191	859	2050

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	76	47	123
25-44	383	155	538
45-64	119	26	145
65+	21	2	23
TOTAL	599	230	829

WEARING PERCENTAGE

	Male	Female	Total
16-24	57.8	73.6	65.6
25-44	65.4	79.5	71.1
45-64	70.7	81.4	73.4
65+	78.1	87.5	79.5
TOTAL	66.5	78.9	71.2

Table 2
September 7, 1989

SEAT BELT SURVEY

AREA: **Urban**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	89	114	203
25-44	589	478	1067
45-64	214	97	311
65+	74	14	88
TOTAL	966	703	1669

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	73	46	119
25-44	324	137	461
45-64	104	25	129
65+	21	2	23
TOTAL	522	210	732

WEARING PERCENTAGE

	Male	Female	Total
16-24	54.9	71.3	63.0
25-44	64.5	77.7	69.8
45-64	67.3	79.5	70.7
65+	77.9	87.5	79.3
TOTAL	64.9	77.0	69.5

Table 3
September 7, 1989

SEAT BELT SURVEY

AREA: **Highway**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	15	17	32
25-44	136	122	258
45-64	73	17	90
65+	1	0	1
TOTAL	225	156	381

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	3	1	4
25-44	59	18	77
45-64	15	1	16
65+	0	0	0
TOTAL	77	20	97

WEARING PERCENTAGE

	Male	Female	Total
16-24	83.3	94.4	88.8
25-44	69.7	87.1	77.0
45-64	83.0	94.4	85.0
65+	100.0	-	100.0
TOTAL	74.5	88.6	79.7

Table 4
September 7, 1989

SEAT BELT SURVEY

AREA: **Manuels Highway at Intersection of Route 60**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	3	5	8
25-44	36	45	81
45-64	21	9	30
65+	1	0	1
TOTAL	61	59	120

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	1	2
25-44	17	11	28
45-64	6	0	6
65+	0	0	0
TOTAL	24	12	36

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	83.3	80.0
25-44	67.9	80.4	74.3
45-64	77.8	100.0	83.3
65+	100.0	-	100.0
TOTAL	71.8	83.1	76.9

Table 5
September 7, 1989

SEAT BELT SURVEY

AREA: **Roaches Line at Intersection with TCH**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	12	12	24
25-44	38	15	53
45-64	42	3	45
65+	0	0	0
TOTAL	92	30	122

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	0	2
25-44	12	0	12
45-64	7	0	7
65+	0	0	0
TOTAL	21	0	21

WEARING PERCENTAGE

	Male	Female	Total
16-24	85.7	100.0	92.3
25-44	76.0	100.0	81.5
45-64	85.7	100.0	86.5
65+	-	-	-
TOTAL	81.4	100.0	85.3

Table 6
September 7, 1989

SEAT BELT SURVEY

AREA: **Harbour Arterial at Ramp to Water Street**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	0	0	0
25-44	62	62	124
45-64	10	5	15
65+	0	0	0
TOTAL	72	67	139

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	0	0	0
25-44	30	7	37
45-64	2	1	3
65+	0	0	0
TOTAL	32	8	40

WEARING PERCENTAGE

	Male	Female	Total
16-24	-	-	-
25-44	67.4	89.9	77.0
45-64	83.3	83.3	83.3
65+	-	-	-
TOTAL	69.2	89.3	77.7

Table 7
September 7, 1989

SEAT BELT SURVEY

AREA: **Village Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	1	3	4
25-44	24	25	49
45-64	13	6	19
65+	1	0	1
TOTAL	39	34	73

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	2	6
25-44	21	5	26
45-64	8	0	8
65+	1	0	1
TOTAL	34	7	41

WEARING PERCENTAGE

	Male	Female	Total
16-24	20.0	60.0	40.0
25-44	53.3	83.3	65.3
45-64	61.9	100.0	70.4
65+	50.0	-	50.0
TOTAL	53.4	82.9	64.0

Table 8
September 7, 1989

SEAT BELT SURVEY

AREA: **Hotel Newfoundland**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	0	0	0
25-44	35	18	53
45-64	8	5	13
65+	5	0	5
TOTAL	48	23	71

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	0	2
25-44	21	5	26
45-64	11	5	16
65+	5	0	5
TOTAL	39	10	49

WEARING PERCENTAGE

	Male	Female	Total
16-24	-	-	-
25-44	62.5	78.3	67.1
45-64	42.1	50.0	44.8
65+	50.0	-	50.0
TOTAL	55.2	69.7	59.2

Table 9
September 7, 1989

SEAT BELT SURVEY

AREA: **Avalon Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	2	2	4
25-44	34	15	49
45-64	14	2	16
65+	4	1	5
TOTAL	54	20	74

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	0	0	0
25-44	22	8	30
45-64	7	0	7
65+	4	0	4
TOTAL	33	8	41

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	100.0	100.0
25-44	60.7	65.2	62.0
45-64	66.7	100.0	69.6
65+	50.0	100.0	55.6
TOTAL	62.1	71.4	64.3

Table 10
September 7, 1989

SEAT BELT SURVEY

AREA: Janeway Hospital

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	1	5	6
25-44	12	39	51
45-64	7	5	12
65+	0	0	0
TOTAL	20	49	69

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	2	4
25-44	7	7	14
45-64	6	4	10
65+	0	0	0
TOTAL	15	13	28

WEARING PERCENTAGE

	Male	Female	Total
16-24	33.3	71.4	60.0
25-44	63.2	84.8	78.5
45-64	53.8	55.6	54.5
65+	-	-	-
TOTAL	57.1	79.0	71.1

Table 11
September 7, 1989

SEAT BELT SURVEY

AREA: **Bay Roberts**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	17	12	29
25-44	61	49	110
45-64	65	41	106
65+	36	8	44
TOTAL	179	110	289

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	5	7	12
25-44	26	11	37
45-64	18	4	22
65+	10	2	12
TOTAL	59	24	83

WEARING PERCENTAGE

	Male	Female	Total
16-24	77.3	63.2	70.7
25-44	70.1	81.7	74.8
45-64	78.3	91.1	82.8
65+	78.3	80.0	78.6
TOTAL	75.2	82.1	77.7

Table 12
September 7, 1989

SEAT BELT SURVEY

AREA: **Confederation Building West Entrance**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	3	2	5
25-44	35	37	72
45-64	3	1	4
65+	0	0	0
TOTAL	41	40	81

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	0	1
25-44	26	15	41
45-64	2	0	2
65+	0	0	0
TOTAL	29	15	44

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	100.0	83.3
25-44	57.4	71.2	63.7
45-64	60.0	100.0	66.7
65+	-	-	-
TOTAL	58.6	72.8	64.8

Table 13
September 7, 1989

SEAT BELT SURVEY

AREA: **Clarenville**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	7	16	23
25-44	65	85	150
45-64	17	9	26
65+	9	0	9
TOTAL	98	110	208

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	19	24	43
25-44	78	45	123
45-64	14	7	21
65+	0	0	0
TOTAL	111	76	187

WEARING PERCENTAGE

	Male	Female	Total
16-24	26.9	40.0	34.8
25-44	45.5	65.4	55.0
45-64	54.8	56.3	55.3
65+	100.0	-	100.0
TOTAL	46.9	59.1	52.7

Table 14
September 7, 1989

SEAT BELT SURVEY

AREA: **Grand Falls**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	24	41	65
25-44	170	65	235
45-64	42	10	52
65+	2	1	3
TOTAL	238	117	355

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	0	1
25-44	4	1	5
45-64	2	0	2
65+	0	0	0
TOTAL	7	1	8

WEARING PERCENTAGE

	Male	Female	Total
16-24	96.0	100.0	98.5
25-44	97.7	98.5	97.9
45-64	95.5	100.0	96.3
65+	100.0	100.0	100.0
TOTAL	97.1	99.2	97.8

Table 15
September 7, 1989

SEAT BELT SURVEY

AREA: Corner Brook

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	25	26	51
25-44	73	61	134
45-64	42	17	59
65+	17	4	21
TOTAL	157	108	265

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	24	7	31
25-44	16	7	23
45-64	27	3	30
65+	1	0	1
TOTAL	68	17	85

WEARING PERCENTAGE

	Male	Female	Total
16-24	51.0	78.8	62.2
25-44	82.0	89.7	85.4
45-64	60.9	85.0	66.3
65+	94.4	100.0	95.5
TOTAL	69.8	86.4	75.7

Table 16
September 7, 1989

SEAT BELT SURVEY

AREA: **Labrador City**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	9	7	16
25-44	80	84	164
45-64	3	1	4
65+	0	0	0
TOTAL	92	92	184

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	15	4	19
25-44	103	33	136
45-64	9	2	11
65+	0	0	0
TOTAL	127	39	166

WEARING PERCENTAGE

	Male	Female	Total
16-24	37.5	63.6	45.7
25-44	43.7	71.8	54.7
45-64	25.0	33.3	26.7
65+	0	0	0
TOTAL	42.0	70.2	52.6

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